composites

Published by Butterworth Scientific Limited — Journals Division

Index to volume 14 (1983)

No 1 (January) pp 1–80
No 2 (April) pp 81–168
No 3 (July) pp 169–328
No 4 (October) pp 329–408

Abstracts

Abstracts of patents 74, 166, 324, 402
Literature survey 71, 163, 320, 397
Abstracts/Résumés/Auszüge 15, 82, 170, 340

Authors

Abeysinghe, H.P. 57
Adam, T. 288
Apicella, A. 387
Babu, B.J.C. 383
Barker, A.J. 52, 141
Bishop, S.M. 201
Bonniau, Ph. 345
Bunsell, A.R. 35,345
Cantwell, W. 301
Chaturvedi, S.K. 62
Cluley, A.P. 19
Cogswell, F.N. 251
Collings, T.A. 180
Copley, S.M. 180
Curtis, P.T. 294, 301
Demuts, E. 27
Devine, F.E. 353
Dewimille, B. 35
Dickson, R.F. 288
Edge, E.C. 189
Ellis, B. 237
Ellis, R.E. 233
Ferrero, C. 359
Found, M.S. 237
Fritz, P.J. 393
Genta, G. 359
Ghotra, J.S. 57
Gilbert, S.M. 41
Gillam, E. 41
Han, K.S. 67, 145
Harris, B. 288
Hayes, B. 93
Herakovich, C.T. 276
Hinkel, H.M. 377
Hogg, P.J. 254
Hopprich, M. 251
Hyer, M.W. 276
Iaccarino, L. 387
Johnson, J.W. 107
Jones, C.J. 288
Jones, F.R. 262, 281
Joshi, Om.K. 196
Kasturiarachchi, K.A. 244
Koplev, A. 371
Koutsky, J. 67
Lystrup, Aa. 371
Malhotra, S.K. 383
Marinari, C. 359
Mason, A.J. 233
Migliaresi, C. 387
Milkovich, S.M. 276
Molyneux, M. 87
Moore, B.B. 294
Morton, J. 301
Mulheron, M.J. 281
Nicolais, L. 387
Noyes, J.V. 129
Parker, B.M. 226
Peters, P.W.M. 365
Phillips, M.G. 270
Potter, R.T. 206
Pritchard, G. 57, 244
Purslow, D. 206
Queeney, R.A. 393
Reiter, H. 288
Rock, J.W. 262
Roccotelli, S. 387
Scoular, R.P. 19
Sharples, T. 101
Short Jr, J.S. 276
Teagle, P.R. 115
Valentin, D. 345
Vangerko, H. 52, 141
Vorm, T. 371
Wheatley, A.R. 262

Book Reviews

Design of composite steel-concrete structures 11
Mechanics of structured media 11
Short fibre reinforced thermoplastics 11

Conference Reports

DGM Symposium: Bonding as the basis for material compounds and composites 13
4th International Conference on Composite Materials 156
XII Reinforced Plastics Conference 395
Third Riso International Symposium on Metallurgy and Materials Science: Fatigue and creep of composite materials 162

Research Reports

Effect of water on the interlamina fracture behaviour of glass fibre-reinforced polyester composite
K.S. Han and J. Koutsky 67
Viscoelastic and plastic relaxation of residual stresses around macroparticle reinforcements
P.J. Fritz and R.A. Queeney 393

Titles

Titles are listed alphabetically, ignoring definite and indefinite articles

Accelerated ageing of a glass fibre-reinforced epoxy resin in water
B. Dewimille and A.R. Bunsell 35
Analysis of moisture gradients in service and in the laboratory
E.C. Edge 189
Composites in the construction of the Lear Fan 2100 aircraft
J.V. Noyes 129
Compressive fatigue behaviour of a glass fibre-reinforced

© 1983 Butterworth & Co (Publishers) Ltd

polyester composite at 300 K and 77 K
K.S. Han 145

The cutting process, chips and cutting forces in machining CFRP
A. Koplev, Aa. Lystrup and T. Vorm 371

Deformation of cold-rolled wire-reinforced copper composites
S.M. Gilbert and E. Gillam 41

The effect of composite prebond moisture on adhesive-bonded CFRP–CFRP joints
B.M. Parker 226

The effect of environmental exposure on the fatigue behaviour of CFRP laminates
P.T. Curtis and B.B. Moore 294

The effect of moisture on the expansion behaviour and thermal strains in GRP
F.R. Jones and M.J. Mulheron 281

Effect of moisture on the notch sensitivity of carbon fibre composites
S.M. Bishop 201

The effect of moisture on the shear properties of carbon fibre composites
Om.K. Joshi 196

The effects of water absorption on a polyester/chopped strand mat laminate
B. Ellis and M.S. Found 237

The environmental degradation of notched CFRP in compression
R.T. Potter and D. Purslow 206

Environmental fatigue of reinforced plastics
C.J. Jones, R.F. Dickson, T. Adam, H. Reiter and B. Harris 288

Environmental resistance of carbon fibre-reinforced polyether etherketone
F.N. Cogswell and M. Hopprich 251

Experimental strain measurements on bare filament flywheels
C. Ferrero, G. Genta and C. Marinari 359

Fabrication of a composite recording disc substrate
H.M. Hinkel .....

Factors affecting the stress corrosion of GRP in acid environments
P.J. Hogg 254

Failure mechanism discrimination in carbon fibre-reinforced epoxy composites
D. Valentin, Ph. Bonniau and A.R. Bunsell .....

Fatigue spectrum sensitivity of composite joints
E. Demuts 27

The in-service flight testing of some carbon fibre-reinforced plastic components
R.E. Ellis and A.J. Mason ... 233

Jointing of components moulded in carbon-fibre reinforced thermoplastics
A.P. Cluley and R.P. Scoular 19

On the accelerated ageing of CFRP
T.A. Collings and S.M. Copley 180

On applicability of absolute retardation techniques for stress-separation in birefringent filamentary composites
S.K. Chaturvedi 62

On the increasing fracture toughness at increasing notch length of 0/90 and 0/±45/0 graphite epoxy laminates
P.W.M. Peters 365

Polyester moulding materials in automotive underbonnet environments
F.E. Devine 353

Polymer selection and matrix aspects of processing and manufacture of fibre composites
B. Hayes 93

Post-impact fatigue performance of carbon fibre laminates with non-woven and mixed-woven layers
W. Cantwell, P. Curtis and J. Morton 301

Prediction of long-term stress-rupture life for glass fibre-reinforced polyester composites in air and in aqueous environments
M.G. Phillips 270

Processing and property relationships for fibre composites
J.W. Johnson 107

Prepreg, tape and fabric technology for advanced composites
M. Molyneux 87

The quality control and non-destructive evaluation of composite aerospace components
P.R. Teagle 115

Reproducible processing and reliable repeataility in carbon fibre composites
T. Sharples 101

Stress corrosion cracking and its implications for the long-term durability of E-glass fibre composites
F.R. Jones, J.W. Rock and A.P. Wheatley 262

A study of GRP skin/foam core sandwich structures
S.K. Malhotra and B.J.C. Babu 383

Substances contributing to the generation of osmotic pressure in resins and laminates
H.P. Abeysinghe, J.S. Ghotra and G. Pritchard 57

Temperature dependence of elastic constants of CFRP
A.J. Barker and H. Vangerko 52

Temperature dependence of mechanical and thermal expansion properties of T300/5208 graphite/epoxy
M.W. Hyer, C.T. Herakovich, S.M. Milkovich and J.S. Short Jr 276

Temperature dependent dynamic shear properties of CFRP
A.J. Barker and H. Vangerko 141

Water absorption of glass/epoxy laminates under bending stresses
K.A. Kasturiarachchi and G. Pritchard 244

The water ageing of unsaturated polyester based composites: influence of resin chemical structure
A. Apicella, C. Migliaresi, L. Nicolais, L. Iaccarino and S. Roccotelli 387